

INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB 03/00073

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G02B3/08 B60J1/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G02B B60J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 616 635 C (SENDLINGER OPTISCHE GLASWERKE) 2 August 1935 (1935-08-02) the whole document ---	1-24
X	US 1 678 479 A (PATTEN ERNEST L O ET AL) 24 July 1928 (1928-07-24) the whole document ---	1-4, 10, 12-14, 23
X	US 3 038 756 A (FOLKE HEIMER ALF) 12 June 1962 (1962-06-12) the whole document ---	1-4, 10, 12-14, 23
A	US 4 896 953 A (COBB JR SANFORD) 30 January 1990 (1990-01-30) the whole document --- -/--	1-24

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- *&* document member of the same patent family

Date of the actual completion of the International search

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 3 972 596 A (EBELING DOROTHY J ET AL) 3 August 1976 (1976-08-03) the whole document ---	1-24
A	US 4 358 182 A (HAYES ROBERT B ET AL) 9 November 1982 (1982-11-09) the whole document -----	1-24

INTERNATIONAL SEARCH REPORT
information on patent family members

International Application No
PCT/GB 03/00073

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
DE 616635	C	02-08-1935	NONE	
US 1678479	A	24-07-1928	NONE	
US 3038756	A	12-06-1962	NONE	
US 4896953	A	30-01-1990	AU 616982 B2 AU 3805989 A CA 1321714 A1 JP 2079001 A KR 138766 B1	14-11-1991 08-02-1990 31-08-1993 19-03-1990 15-06-1998
US 3972596	A	03-08-1976	US 3809461 A DE 2323696 A1 FR 2184727 A1 GB 1418045 A IT 982755 B JP 49050951 A SE 390345 B US 3809462 A US 3826562 A	07-05-1974 29-11-1973 28-12-1973 17-12-1975 21-10-1974 17-05-1974 13-12-1976 07-05-1974 30-07-1974
US 4358182	A	09-11-1982	DE 3175190 D1 EP 0079895 A1 WO 8204330 A1	25-09-1986 01-06-1983 09-12-1982